

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (currently amended) A window for use in an adapter (3) for an IR gas analyser for the analysis of respiratory gases, where the gases flow through a through-penetrating passageway (9) in the adapter (3) with a window (8) disposed on mutually opposite sides of the passageway (9) so that an IR beam can be sent through the windows (8) and the passageway (9) containing said breathing gases, ~~characterised in that~~ wherein the window (8) is a one-piece structure made of plastic material and having a round basic shape that includes a surrounding edge (8'') and a central part (8') which is sunken in relation to said edge (8'') and which constitutes the window through which the IR rays shall be able to pass.

2. (currently amended) [[A]] The window according to Claim 1, ~~characterised in that~~ wherein the plastic material is a polyolefin, preferably an HD polyethylene.

3. (currently amended) [[A]] The window according to Claim 1, ~~characterised in that~~ wherein the plastic material includes a surface tension modifying substance.

4. (currently amended) [[A]] The window according to claim 1, ~~e-h-a-r-a-c-t-e-r-i-s-e-d-i-n-t-h-a-t~~ wherein the window is formed by an injection moulding process.

5. (currently amended) [[A]] The window according to claim 1, ~~e-h-a-r-a-c-t-e-r-i-s-e-d-i-n-t-h-a-t~~ wherein the central part (8') of the window is arched in a direction away from the surrounding edge (8").

6. (currently amended) [[A]] The window according to claim 1, ~~e-h-a-r-a-c-t-e-r-i-s-e-d-i-n-t-h-a-t~~ wherein the window has been glued in a recess in a wall surrounding the through-penetrating passageway (9) in the adapter (3).

7. (currently amended) [[A]] The window according to claim 1, ~~e-h-a-r-a-c-t-e-r-i-s-e-d-i-n-t-h-a-t~~ wherein the window is fastened by ultrasound-welding or heat-welding in a recess in a wall surrounding the through-penetrating passageway (9) in the adapter (3).

8. (currently amended) A method of producing a window in accordance with claim 1, ~~e-h-a-r-a-c-t-e-r-i-s-e-d-b-y~~ comprising:

forming the window (8) by injection moulding a thermoplastic material in a mould in which injection of the plastic material into the mould is effected centrally in the centre of the ultimate or forthcoming window.

9. (currently amended) [[A]] The method according to Claim 8, ~~characterised by further comprising:~~

mixing a surface tension modifying substance in the thermoplastic material prior to the injection moulding process.

10. (currently amended) [[A]] The method according to Claim 8, ~~characterised by effecting wherein~~ the injection moulding process is effected in a preheated mould tool.

11. (currently amended) [[A]] The window according to Claim 2, ~~characterised in that wherein~~ the plastic material includes a surface tension modifying substance.

12. (currently amended) [[A]] The method according to Claim 9, ~~characterised by effecting wherein~~ the injection moulding process is effected in a preheated mould tool.